

FORM PTO-1449 (modified)  
 To: U.S. Department of Commerce  
 (PW FORM, PAT-1449)  
 Patent and Trademark Office

Atty. Dkt. No.	M#	Client Ref.
	0308878	

**INFORMATION DISCLOSURE STATEMENT  
 BY APPLICANT**

Date: March 25, 2004

Page 1 of 4

Applicants: Bishwajit Nag et al.

Application Serial No. (unassigned)

Filing Date: March 25, 2004

Examiner: (unassigned) Group Art Unit: (unassigned)

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
SB	AR	3,609,183	Sep 1971	DeWald et al.			
	BR	3,683,009	Aug 1972	Middleton			
	CR	3,846,398	Nov 1974	Hirschmann et al.			
	DR	4,092,335	May 1978	Gruszecki et al.			
	ER	4,217,366	Aug 1980	Kikumoto et al.			
	FR	4,271,186	Jun 1981	Forster et al.			
	GR	4,284,637	Aug 1981	Kikumoto et al.			
	HR	4,297,429	Nov 1981	Kanada et al.			
	IR	4,310,534	Jan 1982	Kikumoto et al.			
	JR	4,312,855	Jan 1982	Grand			
	KR	4,326,055	Apr 1982	Loeliger			
	LR	4,716,905	Jan 1988	Schmued			
	MR	4,866,086	Sep 1989	Boyle et al.			
	NR	4,929,635	May 1990	Coquelet et al.			
	OR	4,940,707	Jul 1990	Klaus et al.			
	PR	5,087,637	Feb 1992	Janssen et al.			
	QR	5,158,966	Oct 1992	Lafferty et al.			
✓	RR	5,162,337	Nov 1992	Elbrecht et al.			
	SR	5,171,753	Dec 1992	Munson, Jr. et al.			

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
						Encl	No
SB	TR	32128	Jun 1981	Europe			
	UR						

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

SB	VR	Sohda et al. "Antiulcer Activity of 5-benzylthiazolidine-2,4-dione derivatives" <i>Chem. Pharm. Bull.</i> 31:2 (1983) 560-9.					
	WR	Giles et al. "Regiospecific Reduction of 5-benzylidene-2,4-thiazolidinediones and 4-oxo-2-thiazolidinethiones Using Lithium Borohydride in Pyridine and Tetrahydrofuran" <i>Tetrahedron</i> 56:26 (2000) 4531-4537.					
	XR	Myaoka et al. "Preparation of 2,4-Dioxo-1,2,3,4-Tetrahydroquinazoline Derivatives Having Blood Sugar-Lowering and Aldose Reductase-Inhibiting Activity" <i>Japan Kokai Tokkyo Koho</i> (1996).					
	YR	Hulin et al. "Novel Thiazolidone-2,4-Diones as Patent Euglycemic Agents" <i>J. Med. Chem.</i> 35:10 (1992) 1853-64.					
✓	ZR	Pettit et al. "Isolation, Structure, Synthesis and Antimitotic Properties of Combretastatins B-3 and B-4 from Combretum Cafrum" <i>Journal of Natural Products</i> 51:3 (1988) 517-527.					
	AAR	Green, Richard H. "Syntheses of Diferanisole A" <i>Tetrahedron Letters</i> 38:26 (1997) 4697-4700.					

Examiner /Samuel Barts/ Date Considered: 07/18/2006

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
SB	BBR	5,189,056	Feb 1993	Orlando et al.			
	CCR	5,246,936	Sep 1993	Treacy et al.			
	DDR	5,250,562	Oct 1993	Klaus et al.			
	EER	5,314,693	May 1994	Suga			
	FFR	5,378,705	Jan 1995	Klaus et al.			
	GGR	5,409,953	Apr 1995	Pettit et al.			
	HHR	5,430,062	Jul 1995	Cushman et al.			
	IIR	5,494,932	Feb 1996	Cardin et al.			
	JJR	5,521,160	May 1996	Chucholowski et al.			
	KKR	5,525,632	Jun 1996	Obsumi et al.			
	LLR	5,532,129	Jul 1996	Heller			
	MMR	5,559,151	Sep 1996	Adorante et al.			
	NNR	5,565,191	Oct 1996	Raspanti			
	OOR	5,565,322	Oct 1996	Heller			
V	PPR	5,569,786	Oct 1996	Pettit et al.			
V	QQR	5,583,128	Dec 1996	Bhatnagar			

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					Encl	No	Encl	No
	RRR							

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

SB	SSR	Reddy et al. "From Styrenes to Enanitopure α-Arylglycines in Two Steps" <i>J. Am. Chem. Soc.</i> 120 (1998) 1207-1217.						
	TTR	Momose et al. "Studies on Antidiabetic Agents. X. <sup>1</sup> Synthesis and Biological Activities of Pioglitazone and Related Compounds" <i>Chem. Pharm. Bull.</i> 39(6) (1991) 1440 – 1445.						
	UUR	Cantello et al. "[[ω-(Heterocycllamino)alkoxy]benzyl]-2,4-thiazolidinediones as Potent Antihyperglycemic Agents" <i>J. Med. Chem.</i> 37 (1994) 3977 – 3985.						
	VWR	Sohda et al. "Studies on Antidiabetic Agents. XII. <sup>1</sup> Synthesis and Activity of the Metabolites of (+)-5-[p-(2-(5-Ethyl-2-pyridyl)ethoxy]benzyl]-2,4-thiazolidinedione (Pioglitazone)" <i>Chem. Pharm. Bull.</i> 43(12) (1995) 2168 – 2172.						
	WWR	Willson et al. "The Structure-Activity Relationship between Peroxisome Proliferator-Activated Receptor γ Agonism and the Antihyperglycemic Activity of Thiazolidinediones" <i>J. Med. Chem.</i> 39 (1996) 665 – 668.						
	XXR	Tanis et al. "Synthesis and Biological Activity of Metabolites of the Antidiabetic; Antihyperglycemic Agent Pioglitazone" <i>J. Med. Chem.</i> 39 (1996) 5053 – 5063.						
	YYR	Shinkai et al. "Isoxazolidine-3,5-dione and Noncyclic 1,3-Dicarbonyl Compounds as Hypoglycemic Agents" <i>J. Med. Chem.</i> 41 (1998) 1927 – 1933.						
	ZZR	Lohray et al. "Novel Euglycemic and Hypolipidemic Agents" <i>J. Med. Chem.</i> 41(1998)1619-1630.						
V	AAAR	Reddy et al. "Novel Antidiabetic and Hypolipidemic Agents. 5. Hydroxyl versus Benzyloxy Containing Chroman Derivatives" <i>J. Med. Chem.</i> 42 (1999) 3265 – 3278.						

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**U.S. PATENT DOCUMENTS**

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SB BBBR	5,589,506	Dec 1996	Hashimoto et al.			
	CCCR 5,674,906	Oct 1997	Hatanaka et al.			
	DDDR 5,672,625	Sep 1997	Cardin et al.			
	EEER 5,705,530	Jan 1998	Adorante et al.			
	FFFR 5,716,928	Feb 1998	Benet et al.			
	GGGR 5,731,353	Mar 1998	Ohsumi et al.			
	HHHR 5,733,909	Mar 1998	Black et al.			
	IIIR 5,767,268	Jun 1998	Chucholowski et al.			
	JJJR 5,770,620	Jun 1998	Mjalli et al.			
	KKKR 5,827,898	Oct 1998	Khandwala et al.			
	LLLR 5,972,973	Oct 1999	Whitcomb			
	MMMR 5,985,884	Nov 1999	Lohray et al.			
	NNNR 5,990,139	Nov 1999	Yano et al.			
	OOOR 6,008,237	Dec 1999	Sahoo et al.			
	PPPR 6,011,031	Jan 2000	Lohray et al.			
↓ QQQR	6,011,036	Jan 2000	Lohray et al.			
↓ RRRR	6,030,973	Feb 2000	Lohray et al.			

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					Encl	No	Encl	No
	SSSR							
	TTTR							

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

SB UUUR	Tumbow MA, Smith LK, Garner CW. The oxazolidinedione CP-92,768-2 partially protects insulin receptor substrate-1 from dexamethasone down-regulation in 3T3-L1 adipocytes. Endocrinology. 1995 Apr;136(4):1450-8.		
VVVR	Yoshioka T, Fujita T, Kanai T, Aizawa Y, Kurumada T, Hasegawa K, Horikoshi H. Studies on hindered phenols and analogues. 1. Hypolipidemic and hypoglycemic agents with ability to inhibit lipid peroxidation. J Med Chem. 1989 Feb;32(2):421-8.		
WWW	Zask A, Jirkovsky I, Nowicki JW, McCaleb ML. Synthesis and antihyperglycemic activity of novel 5-(naphthalenylsulfonyl)-2,4-thiazolidinediones. J Med Chem. 33:5 (1990) 1418-23.		
XXXR	Sohda T, Mizuno K, Momose Y, Ikeda H, Fujita T, Meguro K. Studies on antidiabetic agents. 11. Novel thiazolidinedione derivatives as potent hypoglycemic and hypolipidemic agents. J Med Chem. 1992 Jul 10;35(14):2617-26.		
↓ YYYR	Hulin B, Newton LS, Lewis DM, Genereux PE, Gibbs EM, Clark DA. Hypoglycemic activity of a series of alpha-alkylthio and alpha-alkoxy carboxylic acids related to cigitazone. J Med Chem. 1996 Sep 27;39(20):3897-907.		

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Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
SB	ZZZR 6,034,110	Mar 2000	Nagpal et al.			
	AAAAR 6,046,202	Apr 2000	Antonucci et al.			
	BBBBR 6,046,222	Apr 2000	Antonucci et al.			
	CCCCR 6,080,765	Jun 2000	Ikeda et al.			
	DDDDR 6,103,742	Aug 2000	Ikeda et al.			
	EEEER 6,107,323	Aug 2000	Tamura et al.			
	FFFFR 6,110,948	Aug 2000	Momose et al.			
	GGGGR 6,110,951	Aug 2000	Pershadsingh et al.			
	HHHHR 6,114,526	Sep 2000	Lohray et al.			
	IIIR 6,117,893	Sep 2000	Fujita et al.			
	JJJJR 6,121,294	Sep 2000	Ikeda et al.			
	KKKKR 6,121,295	Sep 2000	Ikeda et al.			
	LLLLR 6,130,216	Oct 2000	Antonucci et al.			
	MMMMR 6,133,293	Oct 2000	Ikeda et al.			
	NNNNR 6,133,295	Oct 2000	Ikeda et al.			
	OOOOR 6,331,633	Dec 2001	Neogi et al.			
	PPPPR 6,245,814	Jun 2001	Nag et al.			
↓	QQQQR 6,331,633	Dec 2001	Neogi et al.			
	RRRRR 6,624,197	Sep 2003	Nag et al.			

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	Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract	Translation Readily Available
						Encl	No
	SSSSR						
	TTTTR					-	-

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

SB	UUUR	Arakawa K, Inamasu M, Matsumoto M, Okumura K, Yasuda K, Akatsuka H, Kawanami S, Watanabe A, Homma K, Saiga Y, Ozeki M, Iijima I. Novel benzoxazole 2,4-thiazolidinediones as potent hypoglycemic agents. Synthesis and structure-activity relationships. Chem Pharm Bull (Tokyo). 1997 Dec;45(12):1984-93.			
	VVVVR	Dow et al. "Benzylxazolidine-2,4-diones as Potent Hypoglycemic Agents" J. Med. Chem. 1991 Vol. 34 1538-1544.			
	WWWW	Sohda et al. "Studies on Antidiabetic Agents. II. Synthesis of 5-[4-(1-Methylcyclohexylmethoxy)-benzyl]thiazolidine-2,4-dione (ADD-3878) and Its Derivatives" Chemical & Pharmaceutical Bulletin 30:10 (October 1982) pp. 3580-3600.			
↓	XXXXR	Abstract – Gibbs et al. "The Benzylxazolidinedione, CP-92768, is a Potent Antidiabetic Agent In Vivo and In Vitro" Diabetes 42 (Suppl. I) 1993 p. 207A.			

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APPENDIX

Examiner's Initials	Publication No.	Application No.	Filing Date	Enclosed
SB	2002-0025975	09/785,554	February 20, 2001	<input type="checkbox"/> Specification <input type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: Publication
SB	2003-0181494	10/265,902	October 8, 2002	<input type="checkbox"/> Specification <input type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: Publication
SB		10/690,844	23 October 2003	<input checked="" type="checkbox"/> Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Other:

The Examiner's initials indicates he/she has considered the cited application relative to the subject application.

**DO NOT PRINT** the above information on the patent which results from the subject application.

/Samuel Barts/

07/18/2006